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| ES | End of year expectations for mental calculations | End of year expectations for written methods and problem solving | Mental and written strategies/recordings/methods/images | Vocabulary |
| * Read, write and interpret mathematical statements using symbols +, 􀍲, =
* Represent and use number bonds and related addition facts within 20
* Add one digit and two digit numbers up to 20, including zero.
* Solve one step problems using concrete objects and pictorial representations, and missing number problems such as 7 = 􀍲 - 9
* Given a number, identify (and use the language) one more
 | * Begin to compare (what’s the same/different?) for commutative sums

e.g 3 +7 = 7 + 3* Memorise and reason with number bonds to 10 & 20 in several forms
* Add using objects, Numicon, cubes etc. and number lines and tracks
* Check with everyday objects
* Ensure pre‐calculation steps are understood, including:
* Counting objects (including solving simple concrete problems)
* Conservation of number:
* Recognise place value in numbers beyond 20
* Counting as reciting and as enumerating
 |    | * Combine and increase numbers, counting forwards and backwards.
* Develop the concept of addition and subtraction and … use these operations flexibly.
* Discuss and solve problems in familiar practical contexts, including using quantities
* Compare, describe and solve practical [measure] problems e.g. longer, more than, heavier than
* Problems terminology should include: put together, add, altogether, total, take away, distance between, difference between, more than and less than
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YEAR 1